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Health o meter®
Professional

753KL

DIGITAL LEGAL FOR TRADE SCALE WITH REMOTE DISPLAY

BALANZA ELECTRONICA PROFESIONAL CON LECTOR REMOTO

BALANCE ELECTRONIQUE PROFESSIONNEL AVEC AFFICHAGE À DISTANCE

NR76/2006-NL-09.11

USER INSTRUCTIONS

INSTRUCCIÓNES DE USO

MODE D'EMPLOI

CANADIAN STANDARDS ASSOCIATION

NATIONAL CONFERENCE ON WEIGHTS AND MEASURES
NTEP

NTEP CC 09-029

Rev. 20100618

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Thank you for your purchase of this Health o meter® Professional product.
Please read this manual carefully and keep it for easy reference or training.

Gracias por su compra de éste producto Health o meter® Profesional. Lea éstas instrucciónes con cuidado, y mantenga el manual disponible para futuras consultas y también para su uso a la hora de orientar o formar al nuevo personal que la utilizará.

Merci d'avoir acheté ce produit Health o meter® Professionnelle. Veuillez lire attentivement ce manuel et le garder à portée de main pour pouvoir le consulter à tout moment.

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PLEASE REGISTER YOUR SCALE FOR WARRANTY COVERAGE AT:
http://www.homscales.com/customers/registration.aspx

POR FAVOR REGISTRE SU BÁLANZA PARA OBTENER COBERTURA DE LA GARANTIA EN:
http://www.homscales.com/customers/registration.aspx

MERCI D'ENREGISTRER LA BALANCE AFIN DE LA GARANTIE SUR LE:
http://www.homscales.com/customers/registration.aspx

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CAUTION AND WARNING

To prevent injury and damage to your scale, please follow these instructions very carefully:

- Do not transport the scale while the platform is loaded.
- For accurate weighing the scale must be placed on a flat, stable surface.
- For accurate weighing, verify proper operation according to the procedure described in this manual before each use.
- Do not use in the presence of flammable materials.
- Operating at other voltages and frequencies than specified could damage the equipment.
- If the "LOW BAT" indicator activates, for accurate weighing, replace the batteries or connect the scale to an AC power source as soon as possible.

SPECIFICATIONS

GENERAL

The Health o meter® Professional Digital NTEP Certified Scale with Remote Display, Model 753KL, uses sophisticated microprocessor technology. This scale is a precision weighing instrument that has undergone independent quality testing and is Certified by NTEP to applicable requirements of NIST Handbook 44, for commercial or professional use.

Your precision scale is designed to provide accurate, reliable and repeatable measurements, can transmit information to a computer, network or printer and offers features that make the weighing process simple, fast and convenient.

The 753KL scale is set up to determine the weight of a stationary person, standing still on the platform. Weight can be displayed in pounds or in kilograms.

The unit can be operated using its AC adaptor, or by 6 standard C-cell batteries (not included).

SCALE SPECIFICATIONS

Capacity and resolution	600lb x 0.2lb / 272kg x 0.1kg
Power Requirements	Adapter 120V AC – 6V DC – 300m-A or 6 C-cell 1.5V batteries
Environmental	Operating temperatures: 10ºC to 40ºC (50ºF to 104ºF) Storage temperatures: - 1ºC to +52ºC (30ºF to 125ºF) Humidity: 85% RH (Storage Humidity: 85% H)
Platform Dimensions	14 ¼" x 14 ¼"
Scale Dimensions	753KL – Two Pieces 14 ¼" x 14 ¼"

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QUICK START INSTRUCTIONS

Certification of this Scale

This is a NTEP Certified scale, certified to applicable requirements of NIST Handbook 44. State weights and measures jurisdictions have adopted Handbook 44. This scale meets all requirements of NIST Handbook 44 and is deemed to be suitable for "legal for trade" or commercial applications. For professional inspection, please contact your distributor for local information.

Obtaining Weight

1. Press the ON/OFF button to turn the scale on.
2. Wait until “0.0” and “ZERO” appear on the left side of the remote display.
3. Ask the person to be weighed to step onto the scale and to stand still—the person’s weight will be displayed.

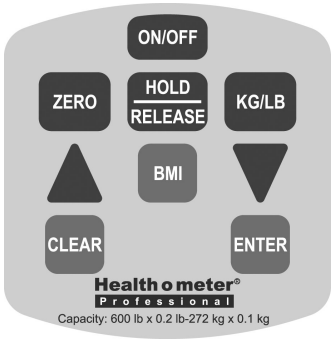
Notes: The scale will always default to the setting last used (lb or kg), when it is turned on. Weight of the person is displayed in real time, meaning that the weight shown on the display may fluctuate if that person is not standing still while on the scale.

Obtaining a Body Mass Index (BMI) Reading

1. Obtain a weight, as explained above.
2. Press the BMI button on the keypad—the scale will prompt you to enter the person’s height. Use the arrow keys to select the correct height (default starts at 5 feet, 6 inches / 168cm).
3. Once the correct height is selected, press the ENTER button—the display will show the person’s BMI.

Note: Body Mass Index is another name for Quetelet Index, a formula that is a convenient and reliable indicator of obesity.

Using the Keypad



KEY	FUNCTION
ON/OFF	Turns scale ON and OFF.
ZERO	Zeros the scale prior to weighing.
HOLD/RELEASE	Does not function on this NTEP (legal for trade) scale.
KG/LB	Toggles between kilograms or pounds.
▲	Scrolling method for entering height
BMI	Prompts entry of height to calculate the Body Mass Index (BMI).
▼	Scrolling method for entering height
CLEAR	Functions as menu escape in BMI mode
ENTER	Used to accept height in BMI mode

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ASSEMBLY INSTRUCTIONS

Remove the display head and base from their respective cartons and packaging.
Model 753KL requires no assembly.

SET UP

Remove the protective film from the display window on the display head, then place the display module on a table, desk or other flat surface. Place the base on the floor nearby.

Make certain that the base is on a stable, flat surface and that the sides of the base are clear of any obstacles.

Preparing the Scale for Use

1. Place batteries in the battery holder (see "Replacing Batteries" information, below).
2. For AC operation – plug adapter into base of scale and into power source, or use the DC IN plug on the back of the display module.
3. Turn scale on by pressing the ON/OFF button. The entire LCD display will light up, followed by the version number, and then 0.0.

NOTE: If the set up procedure failed, refer to the troubleshooting instructions. If the problem is not corrected, call Health o meter® Professional technical support at 1-800-638-3722.

1. Turn the scale base upside down. The battery holder is located in the center of the bottom of the base.
2. Slide the battery cover in the direction of the "open" arrow.

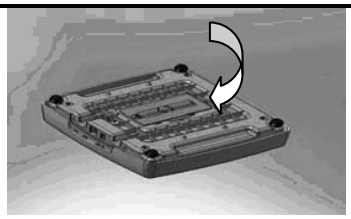
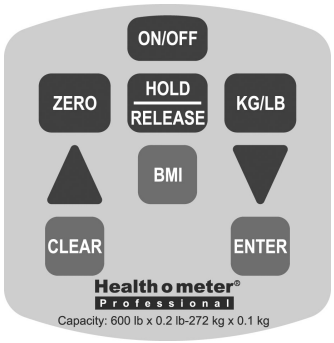


Figure 1 – Replacing Batteries

3. Place the batteries into the battery holder.
4. Replace the battery cover.

Note: We recommend Energizer® e2™ batteries.

Using the Keypad



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MAINTENANCE

GENERAL

This section provides instructions for maintenance and cleaning for the 753KL scale. Maintenance operations other than those described in this section should be performed by qualified service personnel.

MAINTENANCE

Before first use and after periods of non-use, check the scale for proper operation and function. If the scale does not operate correctly, refer to qualified service personnel.

1. Check overall appearance of the total scale for any obvious damage, abuse, etc.
2. Inspect condition of AC adapter cord and prongs, replace if needed.

CLEANING

Proper care and cleaning is essential to ensure a long life of accurate and effective operation.
Disconnect the scale from the AC power source.

1. Clean all external surfaces with a clean damp cloth or tissue.
   Mild antibacterial soap and water solution may be used. Dry with a clean soft cloth.
2. Do not immerse the scale into cleaning or other liquid solution.
3. Do not use Isopropyl Alcohol, other solutions or sanitizing wipes to clean the display surface.
4. Do not use abrasive cleaners.

TROUBLESHOOTING

Refer to the following instructions to check and correct any failure before contacting service personnel.

SYMPTOM	POSSIBLE CAUSE	CORRECTIVE ACTION
Scale does not turn on	1. Dead Battery 2. Faulty electrical outlet 3. Bad Power Supply (Check LED light at back of display module to determine if adapter cord is working)	1. Replace batteries 2. Use a different outlet 3. Replace adapter
Questionable weight or the scale does not zero	1. External object interfering with the scale 2. The display did not show '000.00 before weighing 3. Scale is not place on a level floor 4. Scale is out of calibration	1. Remove interfering object from the scale 2. Ask the patient to get off the scale, zero the scale and begin weighing process again 3. Place the scale on a level floor and begin weighing process again 4. Check weight with known weight value
The display shows "OVER"	The load on the scale exceeds the capacity (600lbs)	Remove the excess weight and use the scale according to its limits
The display shows "LO Bat" message	The batteries are dead	Replace batteries according to instructions

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TROUBLESHOOTING (CONTINUED)

ERROR ID	DEFINITION	CHECK/REPLACE
Err 1	Mathematical mistake; division by zero. Cannot calculate calibration factor.	The calibration is performed with no calibration weight
Err 2	Weight loaded too low. Cannot calibrate.	While in calibration procedure add more weight in load mode
Err 3	Unstable weight. Cannot calibrate	Check the load cells mechanical surroundings and see nothing touches them and the cables are well connected
Err 5	Calibration disabled	Toggle the calibration switch to enable
Err 6	High saturation state (high A/D)	The load cell is not connected correctly. Check the connection, cables, and mechanical connection. If the problem persists, replace the set of load cells
Err 7	Low saturation state (low A/D)	See Err 6

CALIBRATION OF THE 753KL

This scale has been factory calibrated and does not require calibration prior to use, but requires official inspection prior to use as a legal for trade scale.

On the back of the display module, to the left of the DC IN power jack, is a small access cover plate. The cover plate is held on by a hex sealing screw. Removing the cover plate exposes the Calibration Enable / Disable or push off / push on switch. The scale is shipped with the switch in the calibration disable position (push on).

The calibration procedure may be performed using a known weight in either pounds or kilograms. The default is in pounds, but calibration can be done according to the unit of measure used upon entering into the calibration path. The following instructions assume the scale is set to measure lbs. If you prefer to calibrate in kilograms, please call Health o meter® Professional Technical Support at 800-638-3722.
Note: Calibration weight must be no less than 60 lb (27kg) and no more than 300 lb (150 kg).

ACTION	DISPLAY SHOWS
Enable scale calibration by toggling the Calibration push switch off.	
While display module is turned on and “START’ is displayed on the LCD (for 3 seconds); Press ZERO-kg/lb-kg/lb-ZERO	“CAL”
Press ENTER	“Load/300.0”
Press ENTER to calibrate with 300lb. Press BMI to change the weight and then the arrows to change the flashing digit, BMI to move to the next digit, until you reach the required weight (no less than 60lb /27kg and no more than 300lb / 150kg)	“CLEAR”
Clear the platform and press ENTER	“----------”
Wait without touching or shaking the scale until the zero calibration process is finished	“Put XXX.X”
Load the platform with the required weight and press ENTER	“----------”
Press ENTER	“DONE”/“CLEAR”
Remove weight from the platform	“START”
Wait until the scale resumes normal operation	“0.0”
Disable scale calibration by toggling the Calibration push switch on.	
Replace the access cover plate.	

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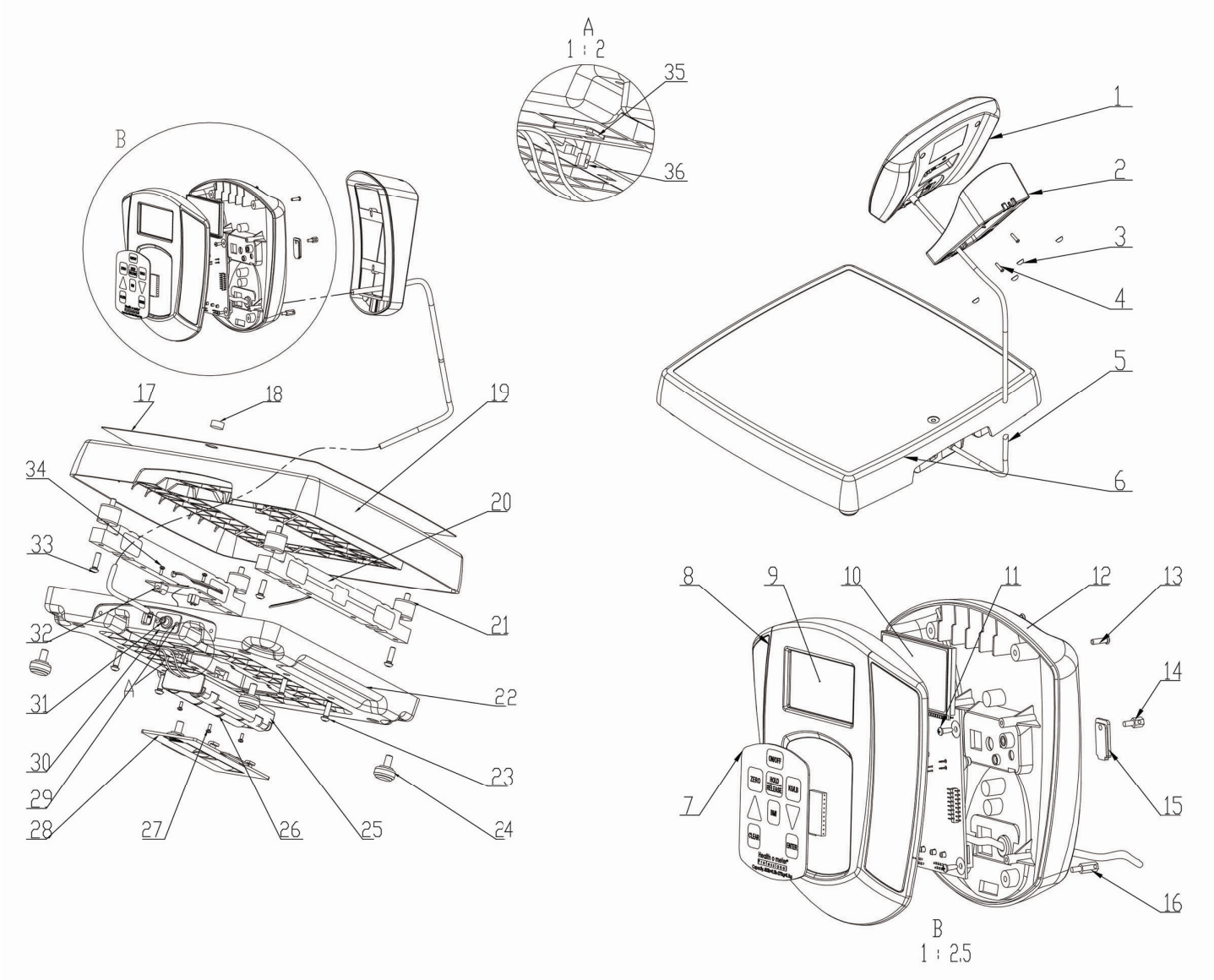
EXPLODED VIEW OF 753KL SCALE



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753KL PARTS LIST FOR MAINTENANCE

Key#	Part No.	Description	Qty.
1		753KL SCALE DISPLAY HEAD	1
2	T16-088521-00	WALL AND TABLE MOUNT BRACKET	1
3		WALL AND TABLE ADAPTOR FOOT-3M_SJ-5306	4
4	T19-022851-00	PAN HEAD SCREW- M3X12	2
5	T18-005000-00	CABLE 753KL	1
6		753KL PLATFORM ASSEMBLY	1
7	T42-014900-00	KEYPAD	4
8	T16-088121-00	HEAD FRONT	1
9		LCD WINDOW	1
10	T63-004400-00	753KL MAIN PCB W/LCD DISPLAY	1
11	T19-019051-00	CROSS HEAD SCREW 3X10	4
12		753KL HEAD BACK	1
13	T19-024051-00	PAN SCREW M3X12	4
14	HEX SEALING SCREW	HEX STANDOFF SCREW M3X5, 5X6	1
15	ACCESS COVER PLATE	ACCESS COVER PLATE	1
16		HEX STANDOFF SCREW M3X8, 5X10 (IF USED)	1
17	T42-014611-00	MAT	1
18	GRADIENTER	LEVEL FOR L.F.T.	1
19	T16-087121-00	STANDING PLATFORM	1
20		FAE-250LB * 2 LOAD CELL	2
21	T16-087211-00	RUBBER BUMPER D25X25	4
22		BASE OF 753KL	1
23	FLAT HEAD SCREW	SOCKET BUTTON HEAD SCREW M6X22	4
24	T16-087011-00	RUBBER FOOT 90SHOR	4
25	C-BATTERY HOLDER	C BATTERY HOLDER ASSEMBLY	1
26	C-CELL BATTERIES	C BATTERIES (NOT INCLUDED)	6
27	5MM ZINC PLATED SCREW	PAN HEAD SCREW	3
28	T16-087311-00	BATTERY COVER	1
29		RIVET 2.9	2
30		BASE OUTLET HOLE COVER	1
31		RUBBER CABLE JACKET	2
32	T63-004300-00	BASE PCB ASSEMBLY	1
33	FLAT HEADSCREW	SOCKET BUTTON HEAD SCREW M6X22	4
34	8MM ZINC PLATED SCREW	PAN SCREW M3X8	2
35		ACCESS COVER PLATE	1
36		HEX STANDOFF SCREW M3X5, 5X6	1

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National Conference on Weights and Measures

1135 M Street, Suite 110 • Lincoln, NE 68508

Certificate Number: 09-029

National Type Evaluation Program

Certificate of Conformance for Weighing and Measuring Devices

For:
Non-Computing Scale
Digital Electronic
Model: 753KL
n_{max}: 3000; e_{min}: 0.2 lb (0.1 kg)
Capacity: 600 lb (272 kg)
Platform: 14.25" x 14.25"

Accuracy Class: III

Submitted by:
Pelstar LLC
11800 South Austin Ave. Unit B
Alsip, IL 60803
Tel: (708) 377-0600
Fax: (708) 377-0601
Contact: Tony Harvey
Email: tharvey@homscales.com

Standard Features and Options

Liquid crystal display (LCD)
Semi-automatic zero setting mechanism (push-button)
Automatic zero setting mechanism
lb/kg conversion
RS-232 communication port
USB communication port
Automatic shut-off
Low battery indicator
AC/DC adapter

Load Cell: Two Transcell Technology Model FAEB-250

Temperature Range: 10 °C to 40 °C (50 °F to 104 °F)

This device was evaluated under the National Type Evaluation Program (NTEP) and was found to comply with the applicable technical requirements of Handbook 44, "Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices." Evaluation results and device characteristics necessary for inspection and use in commerce are on the following pages.

Jack Kane
Chairman, NCWM, Inc.

Judith L. Cardin
Chairman, National Type Evaluation Program Committee
Issued Date: April 9, 2009

Note: The National Conference on Weights and Measures does not "approve", "recommend", or "endorse" any proprietary product or material, either as a single item or as a class or group. Results shall not be used in advertising or sales promotion to indicate explicit or implicit endorsement of the product or material by the NCWM.

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